

~~CONFIDENTIAL~~~~SECRET~~**The Files**

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Visit of [redacted] Engineer, [redacted] on  
14 November 1955, at Alcott Hall, Contract [redacted] E.O. VI.

1. [redacted] is in Washington for the purpose of attending a technical symposium at GW. He visited Alcott Hall on 14 November 1955 to confer with [redacted]. However, [redacted] were not available.

2. [redacted] reported that they are planning to employ cage-doulet antenna of 1/2-wave length for the transmitters. These antennas are to be slightly less than 1/4-wave above a counterpoise antenna. The angle of radiation is to be in the order of 56 deg. Costs have been held low to permit providing towers for the antenna (Tylon towers). [redacted] asked whether it would be desirable to have racks made to carry the mast sections on the trailer roofs for transport purposes. It was thought that adequate space would be available on the trailer decks for this purpose and external racks would not be required. An antenna matching network box has been completed for the three transmitters.

3. The field transponders have been arranged so that in addition to the single pulse reply, the selection of 2, 3, 4, 5, 6 up to a maximum of 10 pulses can be set up for use at the slave stations. This has been established to permit overcoming that condition which might be encountered when a single pulse might arrive at the same time as a serve burst of static.

4. The moving film oscilloscope cameras have arrived and are to be checked for damage, etc.

5. The units at [redacted] should be ready for local testing towards the end of the month. Return of the trailer units, for preliminary planning purposes, appears to be mid-December.

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6. [ ] stressed that from a maintenance and operational aspect it would be most desirable to have a man detailed to [ ] from now on until the units are moved back to Washington. Thus this man could be completely familiar with the last minute cleanup problems, be qualified in the camera techniques, calibration techniques, and particularly the master control problems and the ECS decade counter.

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7. [ ] indicated that no receiver interference is observed in adjacent receivers when they are tuned not closer than 200 kc from the kilowatt amplifier frequency.

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8. The next monthly report will include as an appendix a list of all equipments purchased by [ ] for this contract. It is considered that an early tabulation will be of greater value at this time than it would be if prepared only at the end of the contract.

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9. A visit to [ ] has been tentatively set up for 21-22 November 1955 by the undersigned.

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OC-E/R&D-EP/LEB:mab (15 November 1955)

CC: R&D Subject File



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